

(Modified) PTO/SB/08A-B (10-96)
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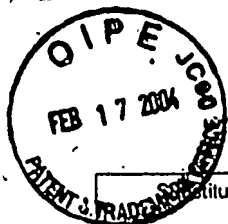
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | Institute for form 1449A-B/PTO | | Complete if Known | |
| | Application Number | | 10/733,664 | |
| | Filing Date | | 12-10-2003 | |
| | First Named Inventor | | Gjerde | |
| | Group Art Unit | | N/A | |
| | Examiner Name | | N/A | |
| Attorney Docket Number | | P003.210 | | |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-------------|----------------------|-------------------------|--|--|---|
| Examiner Initials | Cite No. | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal |
| | | Number | Kind Code (if known) | | | |
| PSH | AA | US-6,485,690 | B1 | Pfost et al. | 11-26-2002 | |
| | AB | US-4,071,315 | | Chateau | 01-31-1978 | |
| | AC | US-4,676,656 | | Cook et al. | 06-30-1987 | |
| | AD | US-5,077,010 | | Ishizaka et al. | 12-31-1991 | |
| | AE | US-5,176,203 | | Larzul et al. | 01-05-1993 | |
| | AF | US-5,720,923 | | Haff et al. | 02-24-1998 | |
| | AG | US-5,779,977 | | Haff et al. | 07-14-1998 | |
| | AH | US-5,827,480 | | Haff et al. | 10-27-1998 | |
| | AI | US-6,033,880 | | Haff et al. | 03-07-2000 | |
| | AJ | US-6,537,432 | B1 | Schneider et al. | 03-25-2003 | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|-------------|-------------------------|-------------|-------------------------|--|--|---|---|
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| | | Country Code | Number | Kind Code (if known) | | | | |
| PSH | AK | WO | 03/104814 | A2 | Phynexus, Inc. | 12-18-2003 | | |
| PSH | AL | WO | 2004/007081 | A1 | Phynexus, Inc. | 01-22-2004 | | |
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| NON PATENT LITERATURE DOCUMENTS | | | |
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| PSH | BA | J. CAI and Z.E. RASSI, "On-line Preconcentration of Triazine Herbicides with Tandem Octadecyl Capillaries-Capillary Zone Electrophoresis," Journal of Liquid Chromatography, 1992, pp. 1179-1192, Vol. 15, No. 6/7. | |
| | BB | J. CAI and Z.E. RASSI, "Selective On-line Preconcentration of Proteins by Tandem Metal Chelate Capillaries - Capillary Zone Electrophoresis," Journal of Liquid Chromatography, 1993, pp. 2007-2024, Vol. 16, No. 9/10. | |
| | BC | R. EISERT and J. PAWLISZYN, "Automated In-Tube Solid-Phase Microextraction Coupled to High-Performance Liquid Chromatography," Analytical Chemistry, 1997, pp. 3140-3147, Vol. 69, No. 16. | |
| | BD | N.A. GUZMAN, "Biomedical Applications of On-Line Preconcentration - Capillary Electrophoresis Using an Analyte Concentrator: Investigation of Design Options," Journal of Liquid Chromatography, 1995, pp. 3751-3768, Vol. 18, No. 18/19. | |
| | BE | I. HALASZ, "Mass Transfer in Ideal and Geometrically Deformed Open Tubes, II. Potential Application of Ideal and Coiled Open Tubes in Liquid Chromatography," Journal of Chromatography, 1979, pp. 229-247, Vol. 173. | |
| | BF | K. HOFMANN and I. HALASZ, "Mass Transfer in Ideal and Geometrically Deformed Open Tubes, I. Ideal and Coiled Tubes with Circular Cross-Section," Journal of Chromatography, 1979, pp. 211-228, Vol. 173. | |
| | BG | D. ISHII and T. TAKEUCHI, "Open Tubular Capillary LC," Journal of Chromatographic Science, 1980, pp. 462-472, Vol. 18. | |
| | BH | KASICKA et al., "Contribution of capillary coiling to zone dispersion in capillary zone electrophoresis," Electrophoresis, 1995, pp. 2034 -2038, Vol. 16. | |
| | BI | H. KATAOKA, et al., "Automated In-Tube Solid-Phase Microextraction Coupled with Liquid Chromatography/Electrospray Ionization Mass Spectrometry for the Determination of B-Blockers and Metabolites in Urine and Serum Samples," Analytical Chemistry, 1999, pp. 4237-4244, Vol. 71, No. 19. | |
| | BJ | E. MINNOOR, "Applications of a sulfonated-polymer wall-modified open-tubular fused-silica capillary in capillary zone electrophoretic separations," Journal of Chromatography A, 2000, pp. 297-309, Vol. 884. | |
| | BK | L. NARDI, "Capillary Extractors for 'negligible depletion' sampling of benzene, toluene, ethylbenzene and xylenes by in-tube solid-phase microextraction," Journal of Chromatography A, 2003, pp. 85-91, Vol. 985. | |
| | BL | T. STROINK, et al., "On-Line Sample Preconcentration in Capillary Electrophoresis, Focused on the Determination of Proteins and Peptides," Electrophoresis, 2001, pp. 2374-2383, Vol. 22. | |
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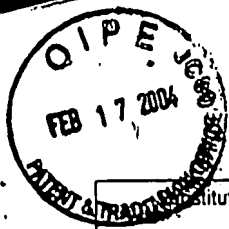


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| PSM | BM | R. TIJSEN, "Liquid Chromatography in Helically Coiled Open Tubular Columns," Separation Science and Technology, 1978, pp. 681-722, Vol. 13, No. 8 | |
| | BN | R. TIJSEN, "Axial Dispersion and Flow Phenomena in Helically Coiled Tubular Reactors for Flow Analysis and Chromatography," Analytica Chimica Acta, 1980, pp. 71-89, Vol. 114. | |
| | BO | R. TIJSEN, "Effect of Column-Coiling on the Dispersion of Solutes in Gas Chromatography, Part I: Theory," Chromatographia, 1970, pp. 525-531, Vol. 3. | |
| | BP | T. WANG and R. HARTWICK, "Capillary Modification and Evaluation Using Streaming Potential and Frontal Chromatography for Protein Analysis in Capillary Electrophoresis," Journal of Chromatography, 1992, PP. 325-334, Vol. 594. | |
| | BQ | M. YE, et al., "Study on Open Tubular Capillary Affinity Liquid Chromatography," Journal of Chromatographic Science, PP. 517-520, 2000, Vol. 38. | |
| | BR | "Fiber Optics & Optical Fiber," The Book on the Technologies of Polymicro (Polymicro Technologies LLC, Phoenix, Arizona, 2002), pp. 2-1 to 2-23. | |
| | BS | "Flexible Fused Silica Capillary Tubing," The Book on the Technologies of Polymicro (Polymicro Technologies LLC, Phoenix, Arizona, 2002), pp. 3-1 to 3-7. | |
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| | | Number | Kind Code (if known) | | | |
| PS4 | CA | US-3,097,927 | | Skeggs | 07-16-1963 | |
| | CB | US-4,028,056 | | Snyder et al. | 07-07-1977 | |
| | CC | US-5,565,622 | | Murphy | 10-15-1996 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|----------|-------------------------|-----------|----------------------|---|--|---|---|
| Examiner Initials | Cite No. | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T |
| | | Country Code | Number | Kind Code (if known) | | | | |
| | CD | WO | 96/12494 | A1 | Holmbom et al. | 04-25-1996 | | |
| | CE | WO | 98/41855 | A1 | Pawliszyn et al. | 09-24-1998 | | |
| | CF | EP | 0 183 950 | A1 | Hewlett-Packard | 08-11-1986 | | |

| NON PATENT LITERATURE DOCUMENTS | | | | | |
|---------------------------------|----------|---|--|--|---|
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| _____ | CG | M. C. HENNION, "Solid-phase extraction: method development, sorbents, and coupling with liquid chromatography," Journal of Chromatography A, 1999, pp. 3-54, Vol. 856. | | | |
| _____ | CH | M. MA et al., "Solvent microextraction with simultaneous back-extraction for sample cleanup and preconcentration: preconcentration into a single microdrop," Anal. Chem., 1999, pp. 388-393, Vol. 71. | | | |
| _____ | CI | A. ZLATKIS et al., "Rapid Analysis of Trace Organics in Aqueous Solution by Enrichment in Uncoated Capillary Columns," Chromatographia, 1990, pp. 149-154, Vol. 30. | | | |
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| PS4 | DA | RABIL and HARRINGTON, "Mechanical properties of hollow glass waveguides," (1999) Opt. Eng. 38(9) 1490-99. | | | |
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